

Amendments to the Claims

The listing of claims will replace all prior versions, and listings of claims in the application.

1. (Currently amended) A series resistance self-regulating heating cable comprising:

a heating element extending longitudinally along the cable, wherein the heating element comprising a comprises a semi-conductor material having a positive temperature coefficient.

2-3 (cancelled)

4. (Currently amended) A The heating cable as claimed in any one of the above claims claim 1, wherein said semi-conductor material comprises a polymer.

5. (Currently amended) A The heating cable as claimed in any one of the above claims claim 1, wherein said semi-conductor material comprises a high density polyethylene matrix including carbon.

6. (Currently amended) A The heating cable as claimed in any one of the above claims claim 1, the cable further comprising:

at least one a conductive terminal located at an end of the heating cable, and in electrical contact with the heating element via a conductive paste.

7. (Currently Amended) A The heating cable as claimed in claim 6, wherein said conductive paste comprises silver.

8. (Currently Amended) A heating device, comprising: ~~a heating cable as claimed in any one of the above claims~~

a series resistance self-regulating heating cable including a heating element extending longitudinally along the cable, wherein the heating element includes a semi-conductor having a positive temperature coefficient.

9. (Currently amended) A The heating device as claimed in claim 8, wherein said heating device is a car seat heater.

10. (Currently amended) A method of manufacturing a series resistance self-regulating heating cable, ~~the method~~ comprising:

the step of providing extending a heating element extending longitudinally along the cable, wherein the heating element includes comprising a semi-conductor material having a positive temperature coefficient.

11. (Currently amended) A method of manufacturing a heating device, ~~the method~~ comprising:

providing producing a series resistance self-regulating heating cable having a heating element extending longitudinally along the cable, wherein the heating

Amdt. dated May 21, 2008 - 5 -
Reply to Office Action of February 21, 2008

Jason Daniel Harold O'CONNOR
Appl. No. 10/572,413

element includes comprising a semi-conductor material having a positive temperature coefficient.

12-15. (canceled)